1 R **MISCELLANEOUS**
1 A .Burner controls not elsewhere classified in class
1 B .Zone control for heating and cooling medium
1 C .Heating and cooling controls
1 D .Stoker controls
1 E .Multistage controls
1 EA ..Multiple valve staging
1 EB ..Single valve staging
1 F .Piezoelectric crystal and other electric unit temperature controls
1 G .Heat conserving damper control
1 H .Burner controls with automatic cutoff
2 **INCUBATOR TYPE OF HEATER**
3 .Electric
.Thermostatic
4 ..Expanding fluid
5 ..Expanding solid
6 **BROODER TYPE OF HEATER**
7 **SADIRON TYPE**
8 **ATOMIZER TYPE OF BURNER**
9 R **COMBINED HEATER AND APARTMENT CONTROLLED**
9 A .Combined heating and apartment control with heating medium circulation control
10 **HOT-AIR FURNACE**
11 .Air and fire control
12.1 **MIXING FLUID OF DISSIMILAR TEMPERATURE**
12.11 .Mixing valve with temperature motive means
12.12 ..Having electrical motive means
12.13 .Including bypass
12.14 .Fluid from only one supply is controlled
12.15 .Including separate relatively movable valve for each fluid supply
12.16 .Having oscillating or reciprocating valve
12.17 ..Valving member moves about an axis
12.18 ...Tubular valve member
12.19 ...Axially spaced flow control faces
12.2 ..Tubular valve member
12.21 ..Axially spaced flow control faces
12.22 ...Seats face outwardly
12.23 ..Ports closed by valve action
13 .Plenum type
14 **COMBINED BOILER AND FURNACE CONTROLLED**
15 R **FURNACE CONTROLLED**
15 A .Domestic oven controls
15 BR .Commercial furnace controls
15 BA ..Solid fuel burning
15 BB ..Product and furnace temperature sensor
15 BC ..With conveyor thru furnace
15 BD ..Air and fuel control
15 BE ..Recuperator, gas turbine, melting furnace
15 BF ..Specialized furnace or heater, e.g., crystal growing
15 BG ..Timer or program
15 C .Furnace controlled responsive to pressure
15 E .Furnace controlled responsive to combustion products composition
16 **COMBINED DRAFT AND CHECK CONTROL EXCHANGE HEATERS**
17 .Pressure-operated
.Thermostatic
18 ..Expanding fluid
19 ..Expanding solid
20 R **CLOSED FLUID HEATERS**
21 R .Safety cut-out
21 B ..Water heater control with excessive temperature cutoff
22 .Radiator type
.Combined thermostat and flow controlled
23 ..One valve
24 ..Two or more valves
24.5 .Flow and pressure controlled
25 R .Flow controlled
25 A ..Flow responsive valve controlling fuel
26 R .Pressure-operated
27 ..With balancing pressure chamber
28 ..Stroke retarding
29 ..Relay, puppet
30 ..Bourdon type
31 ..Float
26 A ..Gas burner controls
26 B ..Pressure responsive means controls draft
26 C ..Pressure responsive elements per se

26 D ..Pressure responsive means controls forced draft
26 E ..Pressure responsive means controls oil burner
26 F ..Pressure responsive means controls fluid coupling
.Thermostatic
32 ..Expanding fluid
33 ..Expanding solid
20 A .Top burner control
34 **COOLING RADIATOR**
34.5 .Bypass
35 .Air control
35.2 ..Shutters
35.3 ...Servomotor
36 **HEATING RADIATOR**
37 .Combined radiator and apartment controlled
38 .Air control
.Exhaust operated
..Fluid-operated motor
39 ...Aspirator
40 ..Thermostatic
41 ...With trap
.Thermostatic
42 ..Expanding fluid
43 ..Expanding solid
44 R **HUMIDITY CONTROL**
44 A .Humidity control per se
44 B .With evaporator cooling spray
44 C .Humidity and temperature control
44 E .With electrical conductive element
45 **DRAFT-OPERATED**
46 R **WITH TIMING ELEMENT**
46 A .Diverse sensor
46 B .Stoker control
46 C .Controlled diverse means
46 D .Domestic oven
46 E .Hot air furnace
46 F .Timer other than clock
47 **HIGH AND LOW TEMPERATURE ALTERNATE**
48 R **SNAP-ACTING**
48 A .Including a permanent magnet
49.1 **VENTILATOR TYPE**
49.2 .Responsive to fire or smoke
49.3 .Electrically actuated
49.4 .Pneumatically actuated
49.5 .Mechanical linkage actuated
50 **LIQUID VALVE**
51 **DISTANCE-ADJUSTED**
52 **FLOAT-OPERATED**
TRAPS
.Float valve
53 ..Thermostatic air valve
.Pressure-operated valve
54 ..Thermostatic pilot
.Thermostatic
55 ..With float-controlled pilot
56 ..Expanding fluid
57 ...Bourdon type
58 ...Wafer type
59 ..Expanding solid
60 ...Conduit
AIR-RELIEF VALVES
.Radiator type
..Thermostatic
61 ...With pressure control
62 ...With separate float
63 ...Expanding float
64 ...Expanding fluid
65 ....Float-operated
66 ...Expanding solid
67 **MOTORS**
.Relay
68 R ..Auxiliary heater
68 A ...Heated expansible chamber vaporizer liquid injected by thermostat
68 B ...Auxiliary heater applied to main temperature sensing means
68 C ...Auxiliary heater applied to control device away from main temperature sensor
68 D ...Thermo-controlled pilot burner operates a heat motor to actuate main fuel valve
69 ..Pyrometer galvanometer
70 ...With beating element
71 .Balanced
72 ..Thermostatic relay
73 .Continuous drive
74 R .Electric
75 ..Reciprocating or oscillating
76 ..Step-by-step
77 ..Vibrating arm
78 R ..Relay
78 A ...Plural control elements
78 B ...Plural temperature sensors
78 C ...Reversible motor
78 D ...Proportional control
74 A ..Electric motor driven pump
.Fluid-operated
79 ..Relay
80 R ...Shunt

80 A ....Airplane
80 B ....Plural main valves
80 C ....Plural temperature sensors
80 D ....Pure fluid
80 E ....Plural pilots by single actuator
80 F ....Diaphragm biased open by line pressure
80 G ....Piston-type valve operator
81 ...Snap-acting
82 ...Compound
83 ....Snap-acting
84 ...Electric
85 ...Pressure-operated
...Thermostatic
86 ....Expanding fluid
87 ....Expanding solid
88 .Magnetic release
89 ..Safety cut-out
90 .Thermal release
THERMOSTATIC
91 R .Hot and cold
91 A ..Nonhabitable enclosure, e.g., incubator
91 B ..With oil burner
91 C ..With diverse sensor, e.g., humidity, pressure
91 D ..Heating and cooling
91 E ..Plural room or plural outside thermostat
91 F ..With at least one temperature sensor for temperature modifying media
91 G ..Current modifying sensor
92 R .With pressure control
92 A ..Combined with fuel gas pressure regulator
92 B ..Refrigeration expansion valves
92 C ..Pressure- and temperature-actuated relief valves
92 D ..Pressure- and temperature-actuated valves associated with carburetors
93 R .In fluid controlled
93 A ..Expanding fluid
93 B ..Shower heads
94 .With indicator or alarm
.Flue or heater attached
95 ..Expanding fluid
96 ..Expanding solid
97 .Cooled element
98 .Fluid transmission
99 R .Expanding fluid
100 ..Float or piston operation
99 A ..Nontemperature sensor
99 B ..Nonvalving device
99 C ..External and internal sensors
99 D ..Heat shield
99 E ..Plural temperature sensors
99 F ..Pivoted valve
99 G ..Lever
99 H ..Liquid fuel feed
99 K ..Wax thermostat
99 J ..In flow line
101 R .Expanding solid
102 ..Concentric elements
103 ..Conduit
104 ..Fire pot
101 A ..Plural inlets or outlets
101 B ..Plural thermostats
101 C ..Thermostat with I.C.E.
101 D ..Coil thermostat
101 E ..Compound lever

FOREIGN ART COLLECTIONS

FOR **CLASS-RELATED FOREIGN DOCUMENTS**

DIGESTS

DIG 1 **ADJUSTABLE LEVER**
DIG 2 **FAIL SAFE**
DIG 3 **SAFETY ELECTRIC**
DIG 4 **SAFETY VACUUM**
DIG 5 **FUSIBLE**
DIG 6 **CLAMP ON**
DIG 7 **COIL BULB**
DIG 8 **COMPUTER**
DIG 9 **FAN CONTROL**
DIG 10 **FILLING**
DIG 11 **EXPANDIBLE FLUID**
DIG 12 **HEAT CONDUCTOR**
DIG 13 **HUMIDITHERMOSTAT**
DIG 14 **INTERMITTANT CONTROL**
DIG 15 **PHOTOCELL**
DIG 16 **RELIEF SPRING**
DIG 17 **SPRING RATE COMPENSATOR**
DIG 18 **RUBBER**
DIG 19 **VENTILATED THERMOSTAT**